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RAW SEQUENCE LISTING

DATE: 02/07/2002 TIME: 13:43:36

PATENT APPLICATION: US/09/769,508

Input Set : A:\Bebioll1.app

Output Set: N:\CRF3\02072002\I769508.raw

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 3 <110> APPLICANT: STUART, SUSAN G.
        MONAHAN, JOHN J.
 4
 5
        LANGTON, BEATRICE CLAUDIA
 6
        HANCOCK, MIRIAM E.C.
7
        CHAO, LORRINE A.
        BLUFORD, PETER
8
10 <120> TITLE OF INVENTION: C-ERBB-2 EXTERNAL DOMAIN: GP75
12 <130> FILE REFERENCE: BEBIO-111-C1
14 <140> CURRENT APPLICATION NUMBER: 09/769,508
15 <141> CURRENT FILING DATE: 2001-01-26
17 <160> NUMBER OF SEQ ID NOS: 2
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22 <211> LENGTH: 4543
23 <212> TYPE: DNA
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28 <222> LOCATION: (150)..(3914)
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35 gccatggggc cggagccgca gtgagcacc atg gag ctg gcg gcc ttg tgc cgc
                                  Met Glu Leu Ala Ala Leu Cys Arg
36
37
221
40 Trp Gly Leu Leu Ala Leu Leu Pro Pro Gly Ala Ala Ser Thr Gln
                                              20
41
       10
                           15
                                                                   269
43 gtg tgc acc ggc aca gac atg aag ctg cgg ctc cct gcc agt ccc gag
44 Val Cys Thr Gly Thr Asp Met Lys Leu Arg Leu Pro Ala Ser Pro Glu
45
                       30
                                           35
                                                                   317
47 acc cac ctg gac atg ctc cgc cac ctc tac cag ggc tgc cag gtg gtg
48 Thr His Leu Asp Met Leu Arq His Leu Tyr Gln Gly Cys Gln Val Val
                                       50
                   45
                                                                   365
51 cag gga aac ctg gaa ctc acc tac ctg ccc acc aat gcc agc ctg tcc
52 Gln Gly Asn Leu Glu Leu Thr Tyr Leu Pro Thr Asn Ala Ser Leu Ser
               60
55 ttc ctg cag gat atc cag gag gtg cag ggc tac gtg ctc atc gct cac
                                                                   413
56 Phe Leu Gln Asp Ile Gln Glu Val Gln Gly Tyr Val Leu Ile Ala His
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                                                                   461
59 aac caa gtg agg cag gtc cca ctg cag agg ctg cgg att gtg cga ggc
60 Asn Gln Val Arg Gln Val Pro Leu Gln Arg Leu Arg Ile Val Arg Gly
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61
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64 Thr Gln								
65 105		110			115		120	
67 gac ccg								557
68 Asp Pro	Leu Asn	Asn Thr	Thr Pro	Val Thr	Gly Ala	Ser Pro	Gly Gly	
69		125		130			135	
71 ctg cgg								605
72 Leu Arg		Gln Leu	Arg Ser		Glu Ile		Gly Gly	
73	140			145		150		
75 gtc ttg								653
76 Val Leu		Arg Asn			Tyr Gin		Ile Leu	
77	155		160			165		701
79 tgg aag								701
80 Trp Lys	Asp lie	Pne His	. = _	ASD GID		Leu Thr	ren 11e	
81 170	220 000	tat aga	175		180	God ata	tat aaa	749
83 gac acc 84 Asp Thr								143
85 185	ASII AIY	3er Arg	Ala Cys	HIS FIC	195	FIO MEC	200	
87 ggc tcc	cac tac		gag agt	tet gag		cag age		797
88 Gly Ser								,
89	, 0,0	205	014 501	210			215	
91 cgc act	atc tat		aac tat			qqq cca		845
92 Arg Thr								
93	220	-	• •	225		230		
95 act gac	tgc tgc	cat gag	cag tgt	gct gcc	ggc tgc	acg ggc	ccc aag	893
96 Thr Asp								
97	235		240			245		
99 cac tct								941
100 His Ser	Asp Cy	s Leu Al	a Cys Le	u His Ph	e Asn Hi	s Ser Gly	y Ile Cys	
101 250			255	•	26	-		
103 gag ctg								989
104 Glu Leu	His Cy			1 Thr Ty		r Asp Thi		
105 265		27			275		280	1007
107 tcc atg								1037
108 Ser Met	. Pro As		u GIY Ar	g ryr rn 29		y Ala Sei	295	
109 111 act gcc	. tat oo	285	a taa at		-	a aaa to		1085
111 act gcc								1005
113	30	_	и тут пе	305	. rap va.	31(		
115 ctc gtc			c aac ca		д аса де			1133
116 Leu Val								
117	315	0 200 112	32			325		
119 cag cgg		g aag tg			t acc ca	a gtg tgg	c tat qqt	1181
120 Gln Arg								
121 330	-		335	-	·34			
123 ctg ggc	atg ga	g cac tt	g cga ga	g gtg ag	g gca gt	t acc agt	t gcc aat	1229
124 Leu Gly								•
125 345 127 atc cag		35			355		360	1277

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131	cta	cca	αασ	age	ttt	gat.	aaa	gac	cca	qcc	t.cc	aac	act	σcc	cca	ctc	1325
								Asp									
	Бец	FIO	GIU		FIIC	кэр	GIY	тэр		AIU	Der	กวแ	1111		110	пси	
133				380					385					390			
135	cag	cca	gag	cag	ctc	caa	gtg	ttt	gag	act	ctg	gaa	gag	atc	aca	ggt	1373
136	Gln	Pro	Glu	Gln	Leu	Gln	Val	Phe	Glu	Thr	Leu	Glu	Glu	Ile	Thr	Gly	
137			395					400					405				
139	tac	cta	tac	atc	tca	gca	taa	ccg	gac	aσc	cta	cet	gac	ctc	agc	atic	1421
						-		Pro	_	-	_		_		_	-	
	ı yı		тАт	TIE	Ser	VIG	_	FIO	кэр	261	ьец		rab	Бец	261	Val	
141		410					415					420					
								cgg									1469
144	Phe	Gln	Asn	Leu	Gln	Val	Ile	Arg	Gly	Arg	Ile	Leu	His	Asn	Gly	Ala	
145	425					430					435					440	
147	tac	tca	cta	acc	cta	caa	qqq	ctg	qqc	atc	agc	taa	ctq	aaa	ctq	cqc	1517
								Leu									
149	-1-	501			445	0	011		011	450				1	455	5	
	<b>.</b>						~~+		~+~		~+~	-+-		+		200	1565
								gga									1202
	Ser	Leu	Arg		Leu	GLY	Ser	Gly		Ата	Leu	TTE	HlS		Asn	Thr	
153				460					465			'		470			
155	cac	ctc	tgc	ttc	gtg	cac	acg	gtg	CCC	tgg	gac	cag	ctc	ttt	cgg	aac	1613
156	His	Leu	Cys	Phe	Val	His	Thr	Val	Pro	Trp	Asp	Gln	Leu	Phe	Arg	Asn	
157			475					480		_	_		485		•		
	cca	cac	caa	act	cta	ctc	cac	act	acc	aac	caa	cca	σaσ	gac	gag	tat	1661
								Thr									
	PIO		GIII	AId	Leu	nea		1111	AIG	ASII	AIG		GIU	RSP	GIU	Cys	
161		490					495				_	500					
								cac									1709
		Gly	Glu	Gly	Leu	Ala	Cys	His	Gln	Leu	Cys	Ala	Arg	Arg	Ala	Leu	
165	505					510					515					520	
167	cta	qqq	tca	aaa	ccc	acc	caq	tgt	qtc	aac	tqc	agc	caq	ttc	ctt	cqq	1757
								Cys									
169		011		0-1	525		0.2.1.	0,0		530	<b>010</b>				535	5	
				<b>.</b>				+			~+~	~~~	~~~	~+~			1805
								tgc									1003
	GIY	GIn		_	val	GLu	GLu	Cys	_	Val	Leu	GIn	GTĀ		Pro	Arg	
173				540					545					550			
175	gag	tat	gtg	aat	gcc	agg	cac	tgt	ttg	ccg	tgc	cac	cct	gag	tgt	cag	1853
176	Glu	Tyr	Val	Asn	Ala	Arq	His	Cys	Leu	Pro	Cys	His	Pro	Glu	Cys	Gln	
177		•	555			_		560					565		-		
	CCC	сал		aac	tca	ata	acc	tgt	+++	απa	cca	gag		gac	caσ	tat	1901
		_						-			_	_	_	_	_	-	1701
	PIO		ASII	GIY	ser	Val		Cys	Pne	GIY	PIO		Ald	ASP	GIII	Cys	
181		570					575					580					
								gac									1949
184	Val	Ala	Cys	Ala	His	Tyr	Lys	Asp	Pro	Pro	Phe	Cys	Val	Ala	Arg	Cys	
185	585					590					595					600	
		agc	gat	ata	aaa	cct	qac	ctc	tcc	tac	ato	ccc	atc	taa	aaq		1997
		_					-	Leu			_				_		
189	410	JUL	O T Y	141	605	110	71.2P	±.cu	JUL	610		110	116		615		
							<b>.</b>							<b>.</b>			2045
								cag									2045
192	Pro	Asp	GLu	Glu	GTA	Ala	Cys	Gln	Pro	Cys	Pro	Iте	Asn	Cys	Thr	HIS	

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Input Set : A:\Bebioll1.app
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196	Ser	Cys	Val	Asp	Leu	Asp	Asp	Lys	Gly	Cys	Pro	Ala	Glu	Gln	Arg	Ala	
197			635					640					645				
	agc																2141
	Ser		Leu	Thr	Ser	Ile		Ser	Ala	Val	Val	_	Ile	Leu	Leu	Val	
201		650					655					660					0100
	gtg																2189
	Val	Val	Leu	GLY	Val		Phe	Gly	ITe	Leu		Lys	Arg	Arg	GIn		
	665					670					675					680	2227
	aag			-		_	-		-	_	-	_	_	_		_	2237
	Lys	TTE	Arg	гаг	685	Tnr	met	arg	Arg	690	ьeu	GIII	GIU	THE	695	ьeu	
209	gtg	<b>a</b> aa	000	αtα		aat	300	~~=	aca		acc.	220	cad	aca		atσ	2285
	Val																2203
-213		GIU	FIU	700	1111	FIU	261	СТУ	705	Met	FIU	N311	GIII	710	GIII	Mec	
	cgg	atc	cta		παπ	aca	gag	cta		ааσ	ata	ааσ	ata		дда	tct	2333
	Arg																2000
217	*** 9		715			*	0_0	720	9	-10		-1-	725		1		
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	Gly	_				_		_						_			
221	_	730		•			735	•	•		•	740		-	-		
223	aat	gtg	aaa	att	cca	gtg	gcc	atc	aaa	gtg	ttg	agg	gaa	aac	aça	tcc	2429
	Asn																
225	745					750					755					760	
227	ccc	aaa	gcc	aác	aaa	gaa	atc	tta	gac	gaa	gca	tac	gtg	atg	gct	ggt	2477
228	Pro	Lys	Ala	Asn	Lys	Glu	Ile	Leu	Asp	Glu	Ala	Tyr	Val	Met	Ala	Gly	
229					765					770					775		
	gtg					-		-		-			_	_			2525
	Val	Gly	Ser		Tyr	Val	Ser	Arg		Leu	Gly	Ile	Cys		Thr	Ser	
233				780					785			•		790			
	acg																2573
	Thr	Val		Leu	Val	Thr	Gln		Met	Pro	Tyr	Gly	_	Leu	Leu	Asp	
237			795					800			•		805				2621
	cat	-		_		-		_	_			_	_	_	-		2621
	His		Arg	GIU	ASI	Arg	815	Arg	Leu	GIA	ser	820	ASP	ren	ьeu	ASII	
241	+~~	810	a+~	020	2++	000		aaa	a+a	200	tac		σεσ	aat	ata	caa	2669
	tgg Trp																2009
	825		Mec			830		GLY	Mec		835		Gru	пор		840	
	ctc		cac					act	caa				atc	ааσ			2717
	Leu																
249		,		7	845				9	850				-1-	855	•	
	aac	cat	qtc	aaa		aca	qac	ttc	qaa		qct	caa	cta	cta		att	2765
	Asn		_				_			_	_		_				
253				860			•		865			,		870	•		
	gac	gag	aca	gag	tac	cat	gca	gat	ggg	ggc	aag	gtg	ccc	atc	aag	tgg	2813
	Āsp																
257			875					880		•			885				

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260	Met	Ala	Leu	Glu	Ser	Ile	Leu	Arg	Arg	Arg	Phe	Thr	His	Gln	Ser	Asp	
261		890					895		•			900					
263	ata	tgg	agt	tat	ggt	gtg	act	gtg	tgg	gag	ctg	atg	act	ttt	ggg	gcc	2909
264	vaĺ	Trp	Ser	Tyr	Gly	Val	Thr	Val	Trp	Glu	Leu	Met	Thr	Phe	Gly	Ala	
265		-		Ţ.	-	910		1			915					920	
267	aaa	cct	tac	gat	qqq	atc	cca	gcc	cgg	gag	atc	cct	gac	ctg	ctg	gaa	2957
268	Lvs	Pro	Tyr	Ásp	Gly	Ile	Pro	Ala	Arg	Glu	Ile	Pro	Asp	Leu	Leu	Glu	
269	_1 -			•	925				-	930.					935		
271	aaσ	aaa.	gag	caa	ctq	ccc	cag	ccc	ccc	atc	tgt	acc	att	gat	gtc	tac	3005
272	Lvs	Gly	Ğlu	Arq	Leu	Pro	Gln	Pro	Pro	Ile	Cys	Thr	Ile	Asp	Val	Tyr	
273	4			940					945					950			
275	atq	atc	atq	qtc	aaa	tgt	tgg	atg	att	gac	tct	gaa	tgt	cgg	cca	aga	3053
276	Met	Ile	Met	Val	Lys	Cys	Trp	Met	Ile	Asp	Ser	Glu	Cys	Arg	Pro	Arg	
277			955		•	-	-	960		_			965				
	ttc	caa	gag	ttq	qtq	tct	qaa	ttc	tcc	cgc	atg	gcc	agg	gac	ccc	cag	3101
280	Phe	Arg	Ğlu	Leu	Val	Ser	Ğlu	Phe	Ser	Arg	Met	Ala	Arg	Asp	Pro	Gln	
281		970	-				975			_		980					
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284	Ara	Phe	Val	Val	Ile	Gln	Asn	Glu	Asp	Leu	Gly	Pro	Ala	Ser	Pro	Leu	
	985			•		990			_		995					1000	
287	gac	aσc	acc	ttc	tac	cqc	tca	ctq	ctg	gag	gac	gat	gac	atg	ggg	gac	3197
288	Asp	Ser	Thr	Phe	Tyr	Arq	Ser	Leu	Leu	Glu	Asp	Asp	Asp	Met	Gly	Asp	
289					1005	•				1010					1015		
291	cta	ata	gat	qct	gag	gag	tat	ctg	gta	ccc	cag	cag	ggc	ttc	ttc	tgt	3245
292	Leu	Val	Asp	Ala	Glu	Ğlu	Tyr	Leu	val	Pro	Gln	Gln	Gly	Phe	Phe	Cys	
293				1020			-		1025					1030			
295	cca	qac			ccq	qqc	gct	ggg	ggc	atg	gtc	cac	cac	agg	cac	cgc	3293
296	Pro	Asp	Pro	Ăla	Pro	ĞÎy	Ala	Gly	Gly	Met	Val	His	His	Arg	His	Arg	
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299	aσc	tca	tct	acc	aqq	agt	ggc	ggt	ggg	gac	ctg	aça	cta	ggg	ctg	gag	3341
300	Ser	Ser	Ser	Thr	Arg	Ser	Gly	Gly	Gly	Asp	Leu	Thr	Leu	Gly	Leu	Glu	
301		1050			,		1055	_	_			1060					
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304	Pro	Ser	Ğlu	Ğlu	Glu	Ăla	Pro	Arg	Ser	Pro	Leu	Ala	Pro	Ser	Glu	Gly	
	106					1070		_			1075					1080	
307	qct	qqc	tcc	gat	gta	ttt	gat	ggt	gac	ctg	gga	atg	ggg	gca	gcc	aag	3437
308	Ala	Glv	Ser	Asp	Val	Phe	Asp	Gly	Asp	Leu	Gly	Met	Gly	Ala	Ala	Lys	
309		•			1085		_			1090					1095		
311	aaa	ctq	caa	aqc	ctc	ccc	aca	cat	gac	ccc	agc	cct	cta	cag	cgg	tac	3485
312	Glv	Leu	Gln	Ser	Leu	Pro	Thr	His	Asp	Pro	Ser	Pro	Leu	Gln	Arg	Tyr	
313	•			1100					1105					1110			
315	aqt	qaq	qac	ccc	aca	gta	ccc	ctg	ccc	tct	gag	act	gat	ggc	tac	gtt	3533
316	Ser	Ğlu	Asp	Pro	Thr	Val	Pro	Leu	Pro	Ser	Glu	Thr	Asp	Gly	Tyr	Val	
317			1115					1120					1125				
319	gcc	ccc	ctq	acc	tgt	agc	ccc	cag	cct	gaa	tat	gtg	aac	cag	cca	gat	3581
320	Ála	Pro	Leu	Thr	Cys	Ser	Pro	Gln	Pro	Glu	Tyr	Val	Asn	Gln	Pro	Asp	
321		1130					1135					1140					
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